

UNCLASSIFIED

Exhibit R-2A. RDT&E Project Justification: PB 2012 United States Special Operations Command			DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT			
0400: Research, Development, Test & Evaluation, Defense-Wide	PE 1160402BB: Special Operations Advanced Technology Development	S200: SO Advanced Technology Development			
BA 3: Advanced Technology Development (ATD)					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2010	FY 2011	FY 2012
Designed, developed, fabricated, tested, demonstrated performance and conducted a Producibility Demonstration for the Combat ID RF patch system.					
Title: Classified Sub-Project					
FY 2010 Accomplishments:			1.394	1.974	2.013
Details provided under separate cover.					
FY 2011 Plans:					
Details provided under separate cover.					
FY 2012 Plans:					
Details provided under separate cover.					
Title: Foliage Penetration Reconnaissance, Surveillance, Targeting and Engagement Radar (YMQ18A Unmanned Aerial Vehicle)			5.583	-	-
FY 2010 Accomplishments:					
Integrated the Combat Autonomous Mobility System (CAMS) into SOF mobility platforms for Intelligence, Surveillance, and Reconnaissance. Developed a multi-fuel outboard engine. Investigated application of graphite foam for heat transfer applications. Investigated the combination of renewable and legacy power systems to meet future goals of providing sustainable power while reducing the logistical footprint required to sustain troops. Conducted planning, payload integration, air vehicle improvements, and training in support of multiple operational demonstrations to evaluate the military utility of the YMQ18A unmanned aerial vehicle.					
Accomplishments/Planned Programs Subtotals			42.432	30.806	35.242
			FY 2010	FY 2011	
Congressional Add: Partnership for Defense Innovation Wi-Fi Laboratory Testing and Assessment Center			2.788	-	
FY 2010 Accomplishments: Rapidly evaluated and integrated COTS and GOTS secure wireless network technologies relevant to the SOF Warrior.					
Congressional Add: Field Experimentation Program for Special Operations			1.593	-	
FY 2010 Accomplishments: Effort focused on joint, coalition efforts exploiting emerging commercial communications, networks, and data handling solutions.					
Congressional Add: Advanced Distributed Aperture System (ADAS)			1.036	-	